CATALOGUE

OF THE

University of North Carolina

AT

CHAPEL HILL

NINETY-FOURTH YEAR

1888-1889

TRUSTEES.

The government of the University is under the control of a Board of eighty Trustees, elected by the joint vote of the General Assembly. Of these, one-fourth go out of office, and their places are filled, every two years. Although not so required by law, in practice they are distributed among the Congressional Districts. The Board meets regularly twice a year; in the winter at Raleigh, on a day selected by the chairman, and in the summer at Chapel Hill, during Commencement week. The former is called the Annual Meeting. The Governor is *ex-officio* president of the Board. Ten constitute a quorum. During the recess of the Board, an Executive Committee of seven Trustees, elected at the annual meeting, exercise all the powers of the Board of Trustees, except those specially reserved.

PRESIDENT:

HIS EXCELLENCY, DANIEL G. FOWLE, LL. D.

SECRETARY AND TREASURER:

HON. WILLIAM L. SAUNDERS.

MEMBERS OF THE BOARD:

Hon. S. M. FINGER, Superintendent of Public Instruction, *ex-officio.*				
Hon. A. C. AVERY	Burke	*November 30, 1889.		
Hon. C. M. COOKE	Franklin	"	"	"
Rev. J. H. CORDON	Wake	"	"	"
KERR CRAIGE, Esq.	Rowan	"	"	"
Hon. J. J. DAVIS, LL. D.	Franklin	"	"	"
R. A. DOUGHTON, Esq.	Alleghany	"	"	"
Col. G. N. FOLK	Caldwell	"	"	"
JAMES A. GRAHAM, Esq.	Alamance	"	"	"

*Term of office expires.

Eugene Grissom, M. D., LL. D.	Wake	*November 30, 1889.
C. W. Hollowell, Esq.	Pasquotank	" " "
Hon. Thos. J. Jarvis, LL. D.	Pitt	" " "
Rev. Neill McKay, D. D.	Harnett	" " "
Hon. W. L. Steele	Richmond	" " "
Rev. J. L. Stewart	Sampson	" " "
Isaac R. Strayhorn, Esq.	Orange	" " "
Hon. George V. Strong	Wake	" " "
Col. S. McD. Tate	Burke	" " "
Hon. C. R. Thomas	Craven	" " "
Hon. R. B. Vance	Buncombe	" " "
H. D. Williamson, M. D	Columbus	" " "
Hon. Kemp P. Battle, LL. D.	Orange	*November 30, 1891.
James S. Battle, Esq.	Warren	" " "
Robert L. Beall, M. D.	Caldwell	" " "
Charles W. Broadfoot, Esq.	Cumberland	" " "
Henry R. Bryan, Esq.	Craven	" " "
Hon. Fabius H. Busbee	Wake	" " "
Hon. Paul C. Cameron	Orange	" " "
Maj. John D. Cameron	Buncombe	" " "
E. Hayne Davis, Esq.	Iredell	" " "
John W. Fries, Esq.	Forsyth	" " "
Benjamin F Grady, Esq.	Duplin	" " "
Wm. J. Hawkins, M. D.	Wake	" " "
Hon. Thos. S. Kenan	Wilson	" " "
W. W. Lenoir, Esq.	Watauga	" " "
Wm. N. Mebane, Esq.	Rockingham	" " "
A. Haywood Merritt, Esq.	Chatham	" " "
J. Edwin Moore, Esq.	Martin	" " "
Col. James T. Morehead	Guilford	" " "
Hon. William L. Saunders	Wake	" " "
Hon. Zebulon B. Vance, LL. D.	Mecklenburg	" " "
Col. A. B. Andrews	Wake	*November 30, 1893.
Richard H. Battle, Esq.	Wake	" " "
Col. Joseph A. Bitting	Forsyth	" " "
Julian S. Carr, Esq.	Durham	" " "
Wm. H. Chadbourn, Esq.	New Hanover	" " "
Wm. H. Day, Esq.	Halifax	" " "
Col. John M. Galloway	Rockingham	" " "
Wm. E. Hill, Esq.	Duplin	" " "
James H. Horner, Esq.	Granville	" " "
Hon. George Howard	Edgecombe	" " "
A. M. Lewis, Esq.	Wake	" " "

*Term of office expires.

Hon. MONTFORD MCGEHEE	Person	*November 30, 1893.
THOMAS W. MASON, Esq.	Northampton	" " "
Col. PAUL B. MEANS	Cabarrus	" " "
LEE S. OVERMAN, Esq.	Rowan	" " "
JAMES PARKER, Esq.	Gates	" " "
Hon. CHARLES PRICE	Rowan	" " "
Rev. THOS. H. PRITCHARD, D. D.	New Hanover	" " "
Hon. JOHN C. SCARBOROUGH	Johnston	" " "
JOHN E. WOODARD, Esq.	Wilson	" " "
CHARLES B. AYCOCK, Esq.	Wayne	*November 30, 1895.
Rev. A. D. BETTS	N. C. Conference	" " "
Col. W. H. S. BURGWYN	Vance	" " "
CHARLES A. COOK, Esq.	Warren	" " "
J. D. CURRIE, Esq.	Bladen	" " "
Hon. GEORGE DAVIS, LL. D.	New Hanover	" " "
Hon. W. T. FAIRCLOTH	Wayne	" " "
Hon. JOHN A. GILMER	Guilford	" " "
Maj. JOHN W. GRAHAM	Orange	" " "
H. A. GUDGER, Esq.	Buncombe	" " "
Hon. THOS. M. HOLT	Alamance	" " "
WM. JOHNSON, Esq.	Mecklenburg	" " "
Hon. A. LEAZAR	Iredell	" " "
Rev. W. S. LONG	Alamance	" " "
CHAS. D. MCIVER, Esq.	Moore	" " "
HAMILTON C. MCMILLAN, Esq.	Robeson	" " "
Hon. JOHN MANNING, LL. D.	Orange	" " "
ROBERT B. PEEBLES, Esq.	Northampton	" " "
SOLOMON C. WEILL, Esq.	New Hanover	" " "
FRANK D. WINSTON, Esq.	Bertie	" " "

*Term of office expires.

EXECUTIVE COMMITTEE:

His Excellency, DANIEL G. FOWLE, LL. D., Chairman *ex-officio.*
Hon. PAUL C. CAMERON,
RICHARD H. BATTLE, Esq.,
JULIAN S. CARR, Esq.,
EUGENE GRISSOM, M. D., LL. D.,
A. M. LEWIS, Esq.,
Hon. W. L. SAUNDERS,
Hon. GEORGE V. STRONG.

COMMITTEE OF VISITATION:

A Special Committee of Visitation of Seven Trustees inspect annually, in person, and report on the working of the institution.

MEMBERS OF THE COMMITTEE FOR 1889.

Hon. W. L. STEELE, Chairman,
Hon. PAUL C. CAMERON,
Hon. S. M. FINGER,
J. W. FRIES, Esq.,
B. F. GRADY, Esq.,
A. H. MERRITT, Esq.,
J. E. WOODARD, Esq.

FACULTY AND OFFICERS.

Hon. KEMP P. BATTLE, LL. D.,

PRESIDENT.

FACULTY.

(IN ORDER OF OFFICIAL SENIORITY.)

Hon. KEMP P. BATTLE, LL. D.,
Professor of Political Economy, Constitutional and International Law.

Rev. CHARLES PHILLIPS, D. D., LL. D.,
Professor Emeritus of Mathematics.

Rev. ADOLPHUS W. MANGUM, A. M., D. D.,
Professor of Mental and Moral Science.

RALPH HENRY GRAVES, B. Sc., C. and M. E.,
Professor of Mathematics.

GEORGE TAYLOE WINSTON, A. M.,
Professor of the Latin Language and Literature.

FRANCIS PRESTON VENABLE, Ph. D., F. C. S.,
Professor of General and Analytical Chemistry.

JOSEPH AUSTIN HOLMES, B. S., F. G. S. A.,
Professor of Geology and Natural History.

JOSHUA WALKER GORE, C. E.,
Professor of Natural Philosophy and Engineering.

Hon. JOHN MANNING, LL. D.,
Professor of Law.

Rev. THOMAS HUME, Jr., A. M., D. D.,
Professor of the English Language and Literature.

WALTER D. TOY, M. A.,
Professor of Modern Languages.

EBEN ALEXANDER, PH. D.,
Professor of the Greek Language and Literature.

JAMES LEE LOVE, PH. B.,
Associate Professor of Mathematics.

HUNTER LEE HARRIS,
Assistant in Chemical Laboratory.

JOSEPH VOLNEY LEWIS,
Assistant in Natural History.

OFFICERS:

JAMES LEE LOVE,
Secretary.

STEPHEN C. BRAGAW AND THOMAS L. MOORE,
Society Librarians.

J. W. GORE,
Registrar.

W. T. PATTERSON,
Bursar.

STUDENTS, 1888-'89.

POST-GRADUATE STUDENTS.

BATCHELOR, OLIVER DOUGLAS ---Law----------Nashville.
A. B., (Univ. of N. C., '88.)
BATTLE, WILLIAM JAMES---Latin, Greek, Ger. & Fr.--Chapel Hill.
A. B., (Univ. of N. C., '88.)
CARROLL, WILLIAM HOUSTON ----Law----------Magnolia.
A. B., (Univ. of N. C., '86.)
DAVIS, HAYNE----------Law----------Statesville.
A. B., (Univ. of N. C., '88.)
DOCKERY, CLAUDIUS ----------Law----------Mangum.
Ph. B., (Univ. of N. C., '87.)
FOUST, CHARLES GEORGE --------Law----------Columbia Factory.
Ph. B., (Univ. of N. C., '88.)
HEADEN, WILLIAM EDWARDS-----Chemistry--------Pittsboro.
A. B., (Univ. of N. C., '88.)
JONES, PAUL----------Law----------Tarboro.
A. B., (Trinity College, '85.)
MANNING, FREDERICK HAUGHTON-Law----------Sunbury.
A. M., (Wake Forest College, '87.)
MCIVER, WILLIAM DONALD ------Law----------Sanford.
A. B., (Univ. of N. C., '85.)
PHARR, HENRY NEAL----------Law----------Charlotte.
A. B., (Davidson College, '87.)
SIMMONS, ALBERT MARCHANT----Law----------Fairfield.
A. B., (Univ. of N. C., '87.)

FOURTH YEAR STUDENTS—(SENIORS).

CATES, CALEB GILMER ----------Ph. ----------Rock Spring.
CLEMENT, HERBERT---ΣΑΕ------Cl. ----------Mocksville.
CURRIE, DANIEL JOHNSON ΦΓΔ---Cl. ----------Stewart's.
CURTIS, WALTER MAKEPEACE ΣΑΕ-Ph. ----------Franklinsville.
DAVIS, JAMES E. B.----------Ph. ----------Pikeville.
EURE, MILLS ROBERTS --ΔΚΕ---Cl. ----------Norfolk, Va.
HAMMOND, WALTER MONROE ΦΓΔ--Ph. ----------Archdale.
HARRIS, HUNTER LEE----------Sc. ----------Raleigh.
HILL, JOHN SPRUNT ---ΣΑΕ----Ph. ----------Faison.

Howell, Logan Douglass	Cl.		Goldsboro.
Little, Lacy LeGrand	Cl.		Little's Mills.
Moore, Thomas Lake	Ph.		Greenville, S. C.
Roberson, William Stone	Cl.		Chapel Hill.
Seawell, Aaron A. F., Jr	Ph.		Jonesboro.
Stronach, Alexander	Ph.		Raleigh.
Toms, Clinton White	Ph.		Hertford.
Webb, Charles Aurelius	Cl.		Warren Plains.
Wills, George Stockton	Ph.		Greensboro.
Wilson, William Albert	Cl.		Sutherland.
Wood, Henry Gilliam	Ph.		Edenton.

THIRD YEAR STUDENTS—(Juniors).

Battle, Gaston	Ph.		Rocky Mount.
Bellamy, John Dillard	Cl.		Wilmington.
Bennett, John Tyler	Ph.		Norwood.
Blount, Samuel Masters	Cl.		Washington.
Bragaw, Stephen Cambreleng	Ph.		Washington.
Braswell, James Craig	Sc.		Battleboro.
Foust, Julius Isaac	Ph.		Graham.
Graham, John Wooten	Cl.		Keyser.
Holland, Ralph Herschel	Cl.		Charlotte.
Howell, George Pierce	Ph.		Goldsboro.
Jimeson, James Elliott	Sc. and Nor.		Estatoe.
Lee, Thomas Mossette	Cl.		Clinton.
Love, Edgar	Ph.		Gastonia.
McIver, Alexander, Jr	Cl.		Pittsboro.
McKethan, Edwin Robeson	Cl.		Fayetteville.
Miller, Hugh Lee	Ph.		Goldsboro.
Petty, George Edward	Sc.		Archdale.
Philbeck, Joseph Beattie	Cl.		Shelby.
Philips, James Jones	Cl.		Tarboro.
Rankin, Charles Alexander	Cl.		Fayetteville.
Sapp, Oscar Lamay	Ph.		Kernersville.
Shaffner, William Francis	Ph.		Salem.
Shaw, Howard Burton	Cl.		Tarboro.
Snipes, William Seaton	Ph.		Lambsville.
Strowd, Thomas Wilson	Ph.		Chapel Hill.
Taylor, James Spottiswoode	Cl.		University of Va.
Tilley, George Vance	Ph.		Chapel Hill.
Williams, John Roberts	Cl.		Apex.

Φ = Resigned 8 87

SECOND YEAR STUDENTS—(Sophomores).

Andrews, William Johnston	Cl.		Raleigh.
Ashe, William Willard	Ph.		Raleigh.
Ball, McCord Wright	Ph.		Greensboro.
Batchelor, Frank Howard	Cl.		Raleigh.
Bellamy, Russell	Cl.		Wilmington.
Bingham, Robert Worth	Cl.		Bingham's School.
Blount, John Gray	Cl.		Washington.
Bryan, Shepard	Cl.		New Berne.
Butler, George Edwin	Ph.		Huntley.
Bynum, Ernest Taylor	Cl.		Pittsboro.
Campbell, Reuben A.	Cl.		Petersburg, Va.
Collins, Plato	Ph.		Kinston.
Covington, Frank Leak	Sc.		Wilmington.
Crowell, George Henry	Cl.		Bilesville.
Cuninggim, Jesse Lee	Cl.		Chapel Hill.
Currie, George Hendon	Cl.		Clarkton.
Currie, Neill Alexander	Cl.		Clarkton.
Dalrymple, Palmer	Cl.		Jonesboro.
Darden, William Edward	Cl.		Kinston.
Davies, William Watkins, Jr.	Ph.		Drapersville, Va.
Eason, Robert Ransom	Ph.		Selma.
Fleming, John Martin, Jr.	Cl,		Raleigh.
Graham, George Mordecai	Ph.		Hillsboro.
Graham, Paul Cameron	Ph.		Hillsboro.
Green, Benjamin Thorp	Ph.		Franklinton.
Green, Frederick Augustus	Ph.		Durham.
Gregory, Samuel Babcock	Ph.		Crowell.
Hendren, Joseph Flanner	Cl.		Winston.
Hodges, Paul Arendell	Ph.		Kinston.
Hogan, David Rossville	Ph.		Chapel Hill.
Johnston, Robert Pulliam	Cl.		Asheville.
Koonce, Francis Duval, Jr.	Cl.		Richlands.
Lewis, John Stanback	Ph.		Candor.
Lewis, Joseph Volney	Sc.		Darlington.
Mangum, Charles Staples	Cl.		Chapel Hill.
Morehead, John Motley	Sc.		Leaksville.
Patterson, Andrew Henry	Ph.		Salem.
Ransom, George	Ph.		Weldon.
Spoon, William Luther	Sc.		Hartshorn.
Staton, Henry	Cl.		Tarboro.
Thompson, Seymour Columbus	Ph.		Cedar Cliff.
Vaughn, Robert Gallaway	Ph.		Madison.
Wharton, Henry Watson	Cl.		Greensboro.

WHITAKER, DEBERNIERE HOOPER—Ph. ——Raleigh.
WILLIAMS, ALBERT SIDNEY—Cl. ——Wilmington.

FIRST YEAR STUDENTS—(FRESHMEN).

ALLEN, WILLIAM MARSHALL—Nor. ——Polkton.
BEALL, FRANK HARPER—Ph. ——Linwood.
BENNETT, CRAWFORD DUNLAP—Ph. ——Norwood.
BUIE, WILLIAM DOUGLAS—Cl. ——Clarkton.
BUSBEE, PERRIN—Ph. ——Raleigh.
CALDWELL, ARCHIBALD HENDERSON—Cl. ——Salisbury.
CLARK, FRANCIS MOORE—Cl. ——Middleton.
CONNOR, GEORGE WHITFIELD—Cl. ——Wilson.
COVINGTON, JOHN MALLOY—Sc. ——Laurinburg.
COX, WILLIAM GASTON—Ph. ——Hertford.
DAVIS, ROBERT MAYO—Cl. ——Tarboro.
DEVANE, MATTHEW BAILEY—Cl. ——Clinton.
DUNN, FRANCIS CLYDE—Ph. ——Kinston.
EDGERTON, CHARLES NEWTON—Ph. ——Goldsboro.
EDWARDS, ARTHUR JOSEPH—Ph. ——Elk Creek.
FEARRINGTON, FRED—Sc. ——Belle Voir.
FERGUSON, HERBERT REEVES—Ph. ——Waynesville.
FOUST, THOMAS ROSWELL—Ph. ——Graham.
GATLING, BART. MOORE—Cl. ——Raleigh.
GATTIS, FRED NORWOOD—Cl. ——Belle Voir.
HAMLEN, HUBERT CHESLEY—Ph. ——Winston.
HARVEY, CHARLES FELIX—Ph. ——Kinston.
HUGGINS, WILLIAM SLOAN—Ph. ——Wilmington.
HUNTER, RICHARD BENJAMIN—Ph. ——Brinkleyville.
JOHNSTON, RICHARD HALL—Ph. ——Tarboro.
KEECH, EDGAR JASPER—Ph. ——Tarboro.
LAUGHINGHOUSE, CHARLES O. H.—Ph. ——Washington.
LEDBETTER, JAMES MCQUEEN—Cl. ——Rockingham.
MCCLAMROCK, WILLIAM DAVID—Cl. ——Cana.
MCDUFFIE, ARCHIE MURPHY—Ph. ——Fayetteville.
MEBANE, FRANK CARTER—Cl. ——Wentworth.
MURPHY, WALTER—Ph. ——Salisbury.
PEARSALL, MATTHEW JAMES—Ph. ——Clinton.
RHEM, JOSEPH FRANKLIN—Ph. ——New Berne.
ROBBINS, FRANK LEE—Cl. ——Statesville.
RODMAN, JOHN CROOM—Ph. ——Washington.
ROLLINS, WALLACE EUGENE—Cl. ——Asheville.
ROSS, EUGENE CLIFTON—Ph. ——Edwards' Mills.
SCALES, ALFRED MOORE—Cl. ——Greensboro.
SHANNONHOUSE, FRANK MCREE—Cl. ——Charlotte.

Sherrod, John Mayo	Cl.	Hamilton.
Simmons, Benjamin Taylor	Ph.	Fairfield.
Skinner, John Ludlow	Cl.	Raleigh.
Smith, Robert Walter	Ph.	Hertford.
Stancill, Robert Henry, Jr.	Cl.	Margarettsville.
Urquhart, Lewis Thompson	Ph.	Lewiston.
Urquhart, Richard Alexander	Cl.	Lewiston.
Walser, Joseph Gaither	Ph.	Yadkin College.
Whitehead, Robert Bynum	Ph.	Wilson.
Willcox, Frederick Leroy	Cl.	Carbonton.
Willcox, Joseph Martin	Ph.	Carbonton.
Winborne, Peter Parker	Cl.	Barnitz.
Worth, James Spencer	Ph.	Wilmington.
Yarborough, Rich'd Fenner, Jr.	Cl.	Raleigh.

OPTIONAL STUDENTS.

Branch, Alpheus Paul	1st year	Wilson.
Burch, Charles Hill	1st year	Chapel Hill.
Burroughs, John William	1st year	Cary.
Carson, Henry Clay	1st year	Sparta.
Corpening, Linwood Elisha	1st year	Lenoir.
Everett, Thomas Calvin	1st year	Laurinburg.
Gilliam, Henry Augustus	2d year	Tarboro.
Hill, Robert Dudley	2d year	Faison.
Holliday, Richard William	1st year	Clinton.
Kernodle, James Lofton	1st year	Morton's Store.
McNeill, Neill Russell	1st year	Raeford.
Merritt, Leonidas Haywood	1st year	Pittsboro.
Moore, Robert Alfred	1st year	Bradshaw.
Sharp, Thomas Pearson	1st year	Tyro Shops.
Taylor, Alexander	1st year	Shine.
Woodard, Paul Lee	3d year	Black Creek.
Worth, George Clarkson	1st year	Wilmington.

STUDENTS IN LAW.

Batchelor, Oliver Douglas	Nashville.
Brooks, James Costin	Elizabeth City.
Carroll, William Houston	Magnolia.
Crowell, James Lee	Bilesville.
Davis, Hayne	Statesville.
Dockery, Claudius	Mangum.

FOUST, CHARLES GEORGE ..... Columbia Factory.
JONES, PAUL ..... Tarboro.
MANN, SAMUEL SPENCER ..... Lake Landing.
MANNING, FREDERICK HAUGHTON ..... Sunbury.
McIVER, WILLIAM DONALD ..... Sanford.
McLAUGHLIN, RICHARD B. ..... Statesville.
MURPHY, HANSON FINLA ..... South Washington
PHARR, HENRY NEAL ..... Charlotte.
RICKS, WILLIAM BENJAMIN ..... Nashville.
SHAW, HENRY ELIAS ..... Willard.
SIMMONS, ALBERT MARCHANT ..... Fairfield.
SUGGS, WILLIAM M ..... Chapel Hill.
TYSON, BENJAMIN FRANKLIN ..... Greenville.
WHITEHURST, JAMES B. ..... Tarboro.
WOODLEY, THEOPHILUS HENRY ..... Creswell.

SUMMARY.

Post Graduate Students	12
Fourth Year Students	20
Third Year Students	28
Second Year Students	45
First Year Students	54
Optional Students	17
Law Students	21
	197
Names counted twice	10
Total	187

PROGRAMME OF COMMENCEMENT.

JUNE, 1888.

June 6. ADDRESS BEFORE THE LITERARY SOCIETIES.
Hon. Walter Clark.

BACCALAUREATE SERMON.
Rev. Wayland Hoyt, D. D.

REPRESENTATIVES.

Dialectic Society:
Jno. S. Hill,
M. W. Egerton,
D. J. Currie,
W. T. Whitsitt.

Philanthropic Society:
Geo. S. Wills,
S. M. Blount,
Hunter L. Harris,
T. A. Cox.

June 7. SENIOR SPEAKERS.

E. M. Armfield,
O. D. Batchelor,
W. J. Battle,
W. J. B. Dail,
Hayne Davis,
T. J. Eskridge,
C. G. Foust,
F. M. Harper,
W. E. Headen,
St. Clair Hester,
H. W. Lewis,
W. M. Little,
M. H. Palmer,
R. L. Smith,
E. P. Withers.

SENIOR ESSAYISTS.

Archie Braswell, Jr.,
L. B. Edwards,
M. L. John,
Benoni Thorp.

HONORARY DEGREES CONFERRED.

DOCTORS OF LAWS (LL. D.)

Hon. R. P. Dick ..... North Carolina.
Bishop E. R. Hendrix ..... Missouri.
Theodore B. Kingsbury ..... North Carolina.

DOCTOR OF DIVINITY (D. D.)

Rev. Samuel Rothrock ..... North Carolina.

DEGREES CONFERRED IN COURSE.

BACHELORS OF ARTS (A. B.)

Armfield, Eugene Morehead	High Point.
Batchelor, Oliver Douglas	Nashville.
Battle, William James	Chapel Hill.
Davis, Hayne	Statesville.
Edwards, Luther Bell	Henderson.
Headen, William Edwards	Pittsboro.
Hester, St. Clair	Raleigh.
Lewis, Henry Watson	Lewiston.
Little, William Myers	Little's Mills.

BACHELORS OF PHILOSOPHY (Ph. B.)

Foust, Charles George	Columbia Factory.
Harper, Francis Marion	Kinston.
John, Maxcy Luther	John's Station.
Palmer, Malvern Hill	Greenback.
Smith, Robert Lee	Norwood.
Withers, Eugene Percival	Danville, Va.

BACHELORS OF SCIENCE (B. S.)

Braswell, Archie, Jr.	Whitaker's.
Dail, Wm. Jackson Beauregard	Snow Hill.
Eskridge, Thomas Joseph	Shelby.
Thorp, Benoni	Berea.

BACHELOR OF LAW (B. L.)

Drew, Frank	Jacksonville, Fla.

DOCTOR OF PHILOSOPHY (Ph. D.)

Weeks, Stephen Beauregard	Elizabeth City.

SPECIAL CERTIFICATES.

LATIN.

Armfield, E. M., Howell, L. D., Valentine, T. W.,
Battle, W. J., Roberson, W. S., Webb, C. A.
Davis, Hayne,

GREEK.

Battle, W. J., Hester, St. Clair, Webb, C. A.

ENGLISH.

Hester, St. Clair.

CHEMISTRY.

Thorp, Benoni.

NATURAL PHILOSOPHY.

Eskridge, T. J., Little, W. M.

NORMAL COURSE.

Whitsitt, W. T.

COURSE IN AGRICULTURE.

Holmes, J. S.

HONORS.

VALEDICTORY ORATION.

Little, William Myers ..... Little's Mills.

CLASSICAL ORATION.

Battle, William James ..... Chapel Hill.

PHILOSOPHICAL ORATION.

Harper, Francis Marion ..... Kinston.

LATIN PRIZE.

HOWELL, GEORGE PIERCE.....Goldsboro.

GREEK PRIZE.

MCIVER, ALEXANDER, Jr.....Pittsboro.

MATHEMATICAL MEDAL.

CURRIE, DANIEL JOHNSON.....Stewart's.

CHEMISTRY MEDAL.

THORP, BENONI.....Berea.

WORTH PRIZE.

WITHERS, EUGENE PERCIVAL.....Danville, Va.

REPRESENTATIVE MEDAL.

EGERTON, MONTRAVILLE WALKER.....Hillgirt.

MANGUM MEDAL.

BATCHELOR, OLIVER DOUGLAS.....Nashville.

GENERAL INFORMATION.

HISTORY.

The University of North Carolina was established in obedience to a clause of Section XLI of the Constitution of the State, adopted on the 18th of December, 1776, viz.: "All useful learning shall be duly encouraged and promoted in one or more Universities."

The charter was granted in 1789. The Trustees were among the most distinguished citizens of that day. Samuel Johnston, one of the first Senators of the United States from North Carolina, was chairman. Governor Benjamin Smith was the first benefactor, giving twenty thousand acres of land in Tennessee. The most active worker for the new institution was William Richardson Davie, called the "Father of the University," afterwards Governor and Commissioner to France.

On October 12th, 1793, annually commemorated as "University Day," the corner-stone of the Old East Building was laid. The buildings are now nine in number, with ample dormitories, recitation-rooms, laboratories and public halls, situate in a campus of fifty acres, covered with forest trees, and adjoining over five hundred acres of University woodland.

LOCATION.

Chapel Hill, the seat of the University, is a village of about eight hundred inhabitants, twenty-eight miles northwest of Raleigh.

It is reached by a branch of the North Carolina Railroad, from University Junction, a station between Durham and Hillsboro.

Among many sites pressed upon the Trustees, Chapel Hill was chosen because of its central position in the State, its uncommon healthiness, its elevation (over five hundred feet above the sea-level), its fine supply of clear pure water and its charming scenery.

The life of the village is plain, quiet, temperate and refined, offering few temptations to vice or allurements from study.

THE SESSION.

The annual session begins regularly on the last Thursday in August, and ends on the first Thursday in June.

The session is divided into two terms by a short intermission at Christmas.

REQUISITES FOR ADMISSION.

As a rule, each matriculate must be sixteen years old; but exceptions may be allowed at the discretion of the Faculty. The following are the subjects for the entrance examination:

LATIN.—Cæsar's Gallic War (5 books), Virgil's Æneid (5 books), Cicero's Orations (4), Latin Grammar and Composition (Bingham's Grammar, or Gildersleeve's Primer, or the first half of Gildersleeve's Exercise Book with the Grammar). Equivalent amounts from other authors will be accepted. A thorough acquaintance with the forms of declension and conjugation and the general principles of construction is absolutely essential. Slight deficiencies in the amount of reading may be supplied after entering.

GREEK.—Xenophon's Anabasis (3 books), simple exercises in translating English into Greek, Greek Grammar (Hadley-Allen or Goodwin), a good knowledge of which is required. Applicants who have not read the entire three books of the Anabasis, may, if the rest of their preparation is satisfactory, make good their deficiency by private study during the first term.

[Applicants for Classical course will be required to exhibit a general acquaintance with Ancient History, Geography and Mythology.]

MATHEMATICS.—*Arithmetic*, including what is contained in Sanford's Higher Arithmetic or an equivalent work; *Algebra*, including the Elementary rules, use of brackets, factoring, greatest common divisor, least common multiple, fractions, simple and simultaneous equations, involution, evolution, &c., to quadratic equations.

ENGLISH.—English Grammar (Whitney, Bain), Introduction to Rhetoric and Composition (Clark, D. J. Hill, Reed and Kellogg), Outlines of English and American History and Literature (Freeman, Brooke, Gilman). Special attention, it is hoped, will be given to preparation for this department, so that it shall include studies in well-annotated standard authors. Sprague's Irving, Swinton's Studies in Literature (authors of the 19th century), Garnett's Studies in Longfellow, Shakspere's Julius Cæsar (Rolfe's or Hudson's Edition) are recommended.

Applicants wishing to pursue the Classical course are examined in the above studies. Those desiring to take the Philosophical course are examined in Latin or Greek, according to selection made, Mathematics and English. For the Scientific course the applicants are examined in Mathematics and English.

Optional students are examined in such of the above as relate to the studies they select.

For admission into advanced classes, applicants will be examined in the studies completed by the classes which they wish to join.

ANNUAL EXPENSES.

The University endeavors to reduce to a *minimum* the necessary expenses of education. The only charges are:

Tuition	$60 00
Annual Fee	10 00
Medical Fee	5 00
Total per annum	$75 00

The cost of board, clothing, travelling, books, &c., will

depend largely upon each individual. Unfurnished rooms and service are provided by the University. Board may be had at prices ranging from $8.00 to $13.00 per month. Furnished rooms, with board, may be had in private families, for a limited number of students, at $10 per month; washing, $1.00 per month; wood, $2.00 per cord; books and stationery at New York prices. The entire annual expense need not exceed $300, and it may be reduced below $200.

The University fees are required to be paid semi-annually in advance. In special cases time is allowed and students unable to pay may give notes. By a recent act of the Legislature free tuition is offered to candidates for the ministry, sons of ministers, and in the Teacher's course, to young men preparing to teach; but the annual and medical fees must be paid by every student before he is allowed to register.

The Faculty earnestly recommend parents to deposit necessary funds for the expenses of their sons with W. T. Patterson, Esq., Bursar of the University, a bonded officer, who will safely keep and disburse the same without charge.

MEDICAL ATTENTION.

Free medical attention will be given by the physician in charge of the MEDICAL DEPARTMENT, to every student of the University, all being requried to pay a small medical fee at the beginning of each session. Experience shows that this arrangement is the best and cheapest for the student body. By this means each student is relieved of the possible expense of large medical bills in cases of prolonged illness, and parents need not fear lest their sons may not obtain competent medical advice and attention in the beginning of sickness.

DISCIPLINE.

The University aims to secure a discipline based upon manliness and self-respect, and to use discipline as an instrument for developing character.

There is no system of demerits or espionage. The University is not a school for boys. It requires of its students, (1) to use their time properly, (2) to keep out of vice. To this end, every student is expected to attend at least fifteen class exercises weekly, to perform his work faithfully, and to observe order and quiet in and near the buildings during study hours; and students are not allowed to carry or use pistols and other dangerous weapons, or to drink or give to others any intoxicating liquor, or to indulge in hazing or teasing new students, or to absent themselves from their classes except on necessity, or to leave Chapel Hill unless permitted by the President or Chairman of the Faculty, which permission cannot be granted unless there is likewise permission from parent or guardian.

The laws of the State prohibit the sale of liquor within four miles of Chapel Hill. Every temptation to vice is put away as far as possible.

Students who are wilfully vicious, idle or disorderly are not desired at the University and are removed from it as soon as discovered.

CLASS EXERCISES.

Each student is required to attend fifteen class exercises per week. Experience having shown that many students, by attempting too much work, have materially damaged both their health and scholarship, the Faculty will not allow any one to attend more than eighteen class exercises a week, unless for special reasons and by special permission.

EXAMINATIONS.

In addition to the daily recitations, systematic written examinations are held from time to time on the various studies, and at the close of each term comprehensive and searching final examinations are held on all the studies pursued during the term. In estimating the scholarship for the term, the final examinations count one-third.

REPORTS.

Monthly reports are made to parents or guardians concerning the punctuality and diligence of the students, and detailed reports of scholarship are made at the close of each term.

LITERARY EXERCISES.

In connection with the University are the Dialectic and Philanthropic Literary Societies, to one of which each student is required to attach himself, unless excused for special reasons. The halls of these societies are commodious and elegantly furnished. Each society owns many valuable portraits of distinguished Alumni. Medals are offered by each society for excellence in declamation, essays and debate.

The exercises of these societies deserve to be ranked high among the advantages offered by the University. They afford practice in debating and writing, and familiarize the students with the rules of order governing deliberative assemblies.

LIBRARIES.

The Philanthropic and Dialectic and University Libraries have been consolidated and carefully arranged in Smith Hall. The consolidated library is open daily, except Sun-

days, for the use of students. It contains more than twenty-five thousand volumes and five thousand pamphlets, illustrating every department of literature and science. Additions are made each year; and the books are used as instruments, not only for the general culture and entertainment of the students, but also for their special training and in the development of their capacity for original investigation and higher culture, under the guidance of the professors in the several departments. The libraries are managed by a member of the Faculty with two students, who are elected by the Literary Societies.

READING ROOM.

The Reading Room, supported by the two Literary Societies and the Faculty, is an important part of the general equipment of the University. Containing sixty-five of the leading American and Foreign magazines, reviews and journals (technical, literary, religious and political), it offers both cultivation and recreation.

It is comfortable and well-lighted, and is open daily from 8 A. M. to 6 P. M.

There is also in the Room a Reference Library containing dictionaries, encyclopedias, &c.; and the library under the same roof is within easy reach of those who wish to make further investigation.

PUBLIC LECTURES.

In addition to the lectures presented before the Mitchell Scientific Society, the Shakspere Club, the Historical Society and the Seminary of Literature and Philology, the University sustains a course of Public Lectures.

The following have been delivered this session:

Erection of the Monument to Dr. Elisha Mitchell—Dr. W. B. PHILLIPS.

Some Differences between European Customs and American—Maj. R. BINGHAM.

Our Boundaries—Prof. J. L. LOVE.

THE ELISHA MITCHELL SCIENTIFIC SOCIETY

This Society for the promotion of scientific study was established in October, 1883. Its regular meetings are held on the second Tuesday of each month during the session. At these meetings papers are read giving the results of original research. The progress made in the various branches of science is also reported upon.

The aim is to stimulate individual workers, and to enable the members to keep up with the growth of science.

The Society is a State Society and includes among its members all scientific workers in the State. The students, as associate members, are allowed all the advantages of the Society.

A semi-annual journal is published, containing accounts of the meetings and all original papers. Between six and seven hundred papers have thus been published. This journal is exchanged for the publications of more than two hundred other learned bodies and scientific societies, and through this means the library of the Society is rapidly growing and will soon be very valuable.

Occasional lectures on popular scientific subjects are delivered by resident members of the Society and lecturers invited from a distance.

SHAKSPERE CLUB.

This Society was organized in November, 1886, for the critical study of Shakspere and other dramatists. One of the professors presides and prepares the scheme of work. The meetings are held once a month, the first Tuesday night Occasional public meetings are held. The interest is maintained by carefully prepared papers, addresses and free discussion. Four special lectures have been delivered before the Club. The nucleus of a Shakspere Library has been formed and additions are made to it from time to time. Two

lectures and reports of the proceedings have been published, and an annual scheme of readings is printed. The scheme for 1889–'90 is here given.

1. HENRY THE SIXTH. Studies in the Older Chronicle-plays. *The Contention, &c.* The views of Knight, White, Miss Lee and others on the authorship. These dramas as part of a Tetralogy.

2. AS YOU LIKE IT. Lodge's Rosalynd and The Tale of Gamelyn. Lyly's Comedies and their Influence on Shakspere. The Fool. Geographical and other Inconsistencies.

3. ALL'S WELL THAT ENDS WELL. The Italian Form of the Story. Difference of style in different parts. Difficulties in the text. The Parolles Type of Character. A Defence of Helena.

4. TROILUS AND CRESSIDA. Is it Shakspere's? Date of Composition. Chapman's Homer and Chaucer's Troilus. Tennyson's Pelleas and Ettarre.

5. CORIOLANUS. Method of Treatment of Roman Subjects. Social and Political Views. Menenius and Polonius. Anachronisms. Scenery and Costume.

6. PERICLES. Fleay's Theory of Authorship and Separation of the Parts. Gower's Story. Motives and Situations like those in other Plays. Shakspere's Medicine.

7. HENRY THE EIGHTH. Spedding's View of Fletcher's Relation to the Authorship. The Queen and The Cardinal.

THE NORTH CAROLINA HISTORICAL SOCIETY.

This Society is engaged in the study of our State history and the collection of documents and materials for its illustration. Meetings, as a rule, are held monthly. At these meetings historical papers are read, and discussion had. The following is a partial list of the subjects discussed during the present session:

1. The Reasons for the Postponement by North Carolina of the Ratification of the Constitution of the United States; by President Battle.

2. The Pirates of North Carolina, especially Teach (Black-beard); by Dr. Stephen B. Weeks.

3. History of the Salisbury Confederate Prison; by Prof. Mangum.

4. A Discussion of the Relative Advantages of Education of the Whites and Colored in North Carolina; by Dr. Venable.

5. History of the Portrait of George III., on the back of which Gen. Greene wrote the words, "Oh, George, hide thy face and mourn"; by Mr. W. J. Andrews.

6. History of the Supreme Court of North Carolina; by President Battle.

Acknowledgments are made of valuable contributions by Mr. Wm. L. Welch, of Boston, and by the "Association of Ex-Confederate Soldiers of Beaufort County," through Mr. Charles C. Thomas, Secretary; also by Mr. Wm. S. Pearson, of Morganton, and Hon. David Schenck.

THE SEMINARY OF LITERATURE AND PHILELOGY.

The work of the Seminary is designed to cultivate a refined literary taste and to encourage special literary and philological work outside of the class-room. Professors and students meet on the fourth Tuesday evening of each month to hear papers, discussions and lectures. Reports are made of literary and philological work accomplished elsewhere. Eight meetings are arranged for the next year, with the following subjects for study:

1. Aristophanes,
2. Milton as Statesman and Controversialist,
3. The Roman Satirists,
4. The Romantic Movement in French Letters in the 19th Century,
5. The Anglo-Saxon Epic,
6. The Roman Religion,
7. The Faust Legend,
8. The Achæan League.

THE UNIVERSITY MAGAZINE

Is published six times during the year, under the auspices of the Philanthropic and Dialectic Societies. Its objects are: To encourage the students to independent literary work; to furnish a review of University matters; to chronicle the proceedings of the literary, scientific and historical organizations, including the publication of important papers presented at their meetings; to record items of news about the University Alumni and students. Each number contains matter of importance to all who are interested in the University, besides much that is attractive to the general reader.

RELIGIOUS SERVICES.

The students are expected to attend the Sunday Bible classes, the daily morning prayers in the University chapel, and the Sunday services in the several churches in the village.

YOUNG MEN'S CHRISTIAN ASSOCIATION.

This organization has become a power in influencing the lives of students. Its membership consists of two classes, active and associate. Its aim is to improve young men spiritually, physically, mentally, and this is done through various and recognized lines. Religious work is carried on by its members in the devotional meetings held four times per week, and in personal conversation with fellow-students. Besides this, several worker's training classes are carrying on a systematic study of the Bible with special reference to using it in winning souls.

Physical work will be carried on through a trained Gymnasium Instructor, employed by the Association.

Mental improvement is sought through means of occasional lectures from distinguished men on various subjects not treated in a college course.

The Association has set apart for its use a hall for meetings, and in connection with it, a pleasant social parlor. A building fund has been started among the students, and is rapidly growing in amount. All students who are eligible to membership would do well to identify themselves with this work soon after entering the University.

MUSEUMS.

Every scientific department of the University is equipped with a museum of specimens for laboratory work; and besides these working museums there is a large and valuable

collection of specimens in botany, geology, mineralogy, zoology and entomology, carefully arranged for exhibition in the UNIVERSITY MUSEUM.

MEDALS AND PRIZES.

MEDAL FOR ORATORY.—The Misses Mangum, of Orange, offer *in memoriam* of their father, Willie P. Mangum, a gold medal as a prize for the best oration at the annual Commencement.

THE MATHEMATICAL PRIZE.—A prize is offered in honor of Dr. James Phillips and Dr. Charles Phillips, by the sons of the latter. It will be awarded to the member of the third class in Mathematics who attains the highest proficiency above a certain absolute standard.

THE MORAL SCIENCE MEDAL.—Mr. David G. Worth, of Wilmington, offers a medal for the best scholarship in Moral Science.

THE GREEK PRIZE.—Offered to the member of the Sophomore Greek Class who presents the best rendering into English of selected passages of Greek not previously read.

THE B. F. MOORE SCHOLARSHIPS.

The late B. F. Moore, of Raleigh, bequeathed $5,000, the interest of which is to be devoted to paying the tuition of students.

THE DEEMS FUND.

This Fund was instituted by the Rev. Dr. C. F. Deems, pastor of the Church of the Strangers, New York, as a memorial of his son, Lieutenant Theodore Disosway Deems, who was born at Chapel Hill while his father was in the Faculty of the University. It is intended to assist needy students by loans. In 1881 it was greatly enlarged through the

munificence of Mr. Wm. H. Vanderbilt. On the 1st of February, 1889, there were notes, the principal of which amounted to $3,328.54, representing current loans to students. To that date 126 students had been helped by the fund. As payments are made, new loans will be made to applicants who meet the requirements. They must come with good recommendations for character; or, if members of the University, must have demonstrated to the Faculty that they are worthy of assistance. The loans are made at six per cent. interest, on satisfactory security, and for a sufficient length of time to make the payments easy.

THE FRANCIS JONES SMITH FUND.

Miss Mary Ruffin Smith, of Orange, has left a valuable tract of fourteen hundred and forty acres of land in Chatham county, known as the Jones Grove Tract, the income of which, or of the proceeds if sold, shall be used for the education of such students as the Faculty may designate.

The above name is given to the fund at the request of the testatrix.

UNDERGRADUATE COURSES OF STUDY.

The Faculty recommends one of the following courses of study:

[The figures in parentheses denote the number of recitations or lectures per week.]

CLASSICAL COURSE.

This leads to the degree of Bachelor of Arts, (A. B.)

FIRST YEAR.

FIRST TERM.—Algebra (4), Latin (4), Greek (4), English (2), History (1), Hygiene (six lectures), Practical Morals (six lectures).

SECOND TERM.—Geometry (4), Latin (4), Greek (4), English (2), History (1).

SECOND YEAR.

FIRST TERM.—Trigonometry (4), Latin (4), Greek (4), Chemistry (3), English (1).

SECOND TERM.—Analytical Geometry (4), Latin (4), Greek (4), Chemistry (3), English (1).

THIRD YEAR.

FIRST TERM.—Physics (4), Logic (2), English (1), Elective (8), of which at least (3) must be devoted to a modern or classical language.

SECOND TERM.—Physics (4), Logic and Psychology (2), English (1), Elective (8), subject to same conditions as in first term.

FOURTH YEAR.

FIRST TERM.—Political Economy (3), English Literature (3), Essays and Orations (1), Psychology and Moral Philosophy (2), Elective (6), subject to same conditions as in third year.

SECOND TERM.—Constitutional and International Law (3), English Literature (3), Essays and Orations (1), Moral Philosophy (2), Elective (6), subject to same conditions as in third year.

ELECTIVE STUDIES.—French (3), German (3), Latin (4), Greek (4), Anglo-Saxon (3), Industrial Chemistry (3), Qualitative Chemical Analysis (3), Quantitative Chemical Analysis (3), Physiology, Zoology and Botany (3), Advanced Botany (3), Surveying and Projection Drawing (3), Calculus (4), Biological Laboratory (2), Astronomy (1½), Mechanics (1½), Geology (1½), Mineralogy (1½), Mental and Moral Philosophy (2), Constitutional History (2).

PHILOSOPHICAL COURSE.

This leads to the degree of Bachelor of Philosophy, (Ph. B.)

FIRST YEAR.

FIRST TERM.—Algebra (4), Latin or Greek (4), German or French (3), English (2), History (1), Hygiene (six lectures), Practical Morals (six lectures).

SECOND TERM.—Geometry (4), Latin or Greek (4), German or French (3), English (2), History (1).

SECOND YEAR.

FIRST TERM.—Trigonometry (4), Latin or Greek (4), German or French (3), Chemistry (3), English (1).

SECOND TERM.—Analytical Geometry (4), Latin or Greek (4), German or French (3), Chemistry (3), English (1).

THIRD YEAR.

FIRST TERM.—Physics (4), Mineralogy (3), Logic (2), English (1), Elective (6).

SECOND TERM.—Physics (4), Geology (3), Logic and Psychology (2), English (1), Elective (6).

FOURTH YEAR.

FIRST TERM.—Political Economy (3), English Literature (3), Essays and Orations (1), Astronomy (3), Psychology (2), Elective (3).

SECOND TERM.—Constitutional and International Law (3), English Literature (3), Essays and Orations (1), Moral Philosophy (2), Elective (6).

ELECTIVE STUDIES.—French (3), German (3), Latin (4), Greek (4), Anglo-Saxon (3), History of Philosophy (2), Qualitative Chemical Analysis (3), Quantitative Chemical Analysis (3), Physiology (1½), Zoology and Botany (1½), Biological Laboratory (2), Industrial Chemistry (3), Surveying and Projection Drawing (3), Calculus (4), Advanced Botany (2), Mechanics (1½), Advanced Geology (2), Constitutional History (2).

SCIENTIFIC COURSE.

This leads to the degree of Bachelor of Science, (B. S.)

FIRST YEAR.

FIRST TERM.—Algebra (4), German or French (3), or Latin (4), English (2), History (1), Biological Laboratory (2), Physiology (3), Hygiene (six lectures), Practical Morals (six lectures).

SECOND TERM.—Geometry (4), German or French (3), or Latin (4), English (2), History (1), Biological Laboratory (2), Zoology and Botany (3).

SECOND YEAR.

FIRST TERM.—Trigonometry (4), German or French (3), or Latin (4), English (1), Chemistry (3), Qualitative Chemical Analysis (3), Elementary Physics (2).

SECOND TERM.—Analytical Geometry (4), German or French (3), or Latin (4), English (1), Chemistry (3), Qualitative Chemical Analysis (3), Elementary Physics (2).

THIRD YEAR.

FIRST TERM.—Physics (4), Mineralogy (3), English (1), Industrial Chemistry (3), Elective (5).

SECOND TERM.—Physics (4), Geology (3), English (1), Industrial Chemistry (3), Elective (5).

FOURTH YEAR.

FIRST TERM.—Astronomy (3), English (3), Logic (2), Elective (7).

SECOND TERM.—English (3), Psychology (2), Elective (10).

ELECTIVE STUDIES.—Advanced Botany (3), Quantitative Chemical Analysis (3). Surveying and Projection Drawing (3), Calculus (4), Psychology and Moral Philosophy (2), Political Economy, Constitutional and International Law (3), French (3), German (3), Mechanics (1½), Advanced Geology (3), Essays and Orations (1), Etomology (2), Constitutional History (2).

For Course in Law, SEE SCHOOL OF LAW.

MEDICAL COURSE.—The preliminary arrangements have been made for the establishment of a Medical Department. A full statement of the course will be published as soon as the details are perfected.

TEACHERS' COURSE.—Special courses, adapted to teachers, are offered in each department of study, beginning each year about February 15th and continuing three months. No entrance or other examination will be required. There are no charges for tuition. The only fee is one of $5.00, which includes matriculation, room-rent, servant's hire, &c. The Faculty earnestly recommends that the teachers come at the opening and remain for the full three months.

OPTIONAL COURSES.

The Faculty earnestly advises students to pursue one of the regular courses. But in proper cases they are allowed to choose such studies out of the courses as may be deemed most advantageous, provided they have fifteen class exercises a week, whether lectures, recitations or laboratory practice.

Special groups of studies, extending over one and two years, are recommended by the Faculty to those who are unable to complete one of the full four-year courses, yet desire an education and a training in those studies that will be of great advantage to them in their several professions or stations in life.

An optional course once chosen must be adhered to for the session, unless for special reasons the Faculty allows a change. No student is permitted to take a course not deemed by the Faculty worthy of his time and efforts.

ADVANCED OR POST-GRADUATE INSTRUCTION.

Advanced instruction is now offered in the several departments of the University.

Students who wish to pursue an advanced course of study are received with or without reference to their being candidates for a degree. In all cases the professors must be satisfied that the student is prepared to follow the instruction in the course contemplated.

Candidates for a degree are required to make written application to the Faculty, stating the course they design to pursue. They must also present their diplomas or certificates from the institution with which they have been connected, testifying that they have completed a course corresponding to one of the under-graduate courses of the University.

The method of instruction will vary with the nature of the study, but the general aim will be to encourage students to undertake independent work in some special branch of study, while he is adding to his intellectual culture.

POST-GRADUATE COURSES.

[Applicants for a Master's degree must have completed the course leading to the corresponding Bachelor's degree.]

Classical Course.

For the degree of Master of Arts, (A. M.)

Three studies, pursued for one year, to be selected from the following groups, subject to the condition, that two studies may be selected from group 1, but not more than

one from any other group; and that one of the subjects in group 1 shall have been pursued as an Elective in the Under-Graduate Course:

1. Latin, Greek.
2. German, French, English.
3. Political Science, Mental and Moral Science, History.
4. Chemistry, Geology, Natural History.
5. Mathematics, Natural Philosophy.

Philosophical Course.

For the degree of Master of Philosophy, (Ph. M.)

Three studies, pursued for one year, to be selected from the following groups, subject to the same condition as in CLASSICAL COURSE:

1. Latin, Greek, German, French, English.
2. Political Science, Mental and Moral Science, History.
3. Chemistry, Geology, Natural History.
4. Mathematics, Natural Philosophy.

Scientific Course.

For the degree of Master of Science, (M. S.)

Three studies, pursued for one year, to be selected from the following groups, subject to the same condition as in CLASSICAL COURSE:

1. Chemistry, Geology, Natural History, Mathematics, Natural Philosophy.
2. Latin, Greek, German, French, English.
3. Political Science, Mental and Moral Science, History.

Course for the Degree of Doctor of Philosophy, (Ph. D.)

This course requires two years.

For the *first year* the candidate may select any one of the courses offered for a Master's degree (A. M., Ph. M., M. S.)

The *second year* will be devoted to a more extensive study of two of the subjects pursued in the first year.

SPECIAL CERTIFICATES.

A special certificate of graduation in a department (Latin, or Mathematics, or Chemistry, &c.) is awarded, upon application, to any student who attains the required grade.

DEGREES.

BACHELORS' DEGREES.

The Degree of Bachelor of Arts is conferred upon those students who have passed approved examinations on the studies enumerated in the under-graduate Classical Course.

The Degree of Bachelor of Philosophy is conferred upon those students who have passed approved examinations on the studies enumerated in the under-graduate Philosophical Course.

The Degree of Bachelor of Science is conferred upon those students who have passed approved examinations on the studies enumerated in the under-graduate Scientific Course.

The Degree of Bachelor of Law is conferred upon those students who have passed approved examinations on Courses (A) and (B), enumerated in the School of Law.

MASTERS' DEGREES.

The Degree of Master of Arts is conferred upon those students who have been accepted as qualified candidates and have pursued, with residence, the post-graduate Classical Course, passing satisfactory examinations thereon, and submitting a suitable thesis.

The Degree of Master of Philosophy is conferred upon those students who have been accepted as qualified candidates, and pursued, with residence, the post-graduate Philosophical Course, passing satisfactory examinations thereon, and submitting a suitable thesis.

The Degree of Master of Science is conferred upon those students who have been accepted as qualified candidates and have pursued, with residence, the post graduate Scientific Course, passing satisfactory examinations thereon, and submitting a suitable thesis.

DOCTOR OF PHILOSOPHY.

The Degree of Doctor of Philosophy is conferred upon those students who have been accepted as qualified candidates, and have pursued, with residence, the post-graduate course prescribed for this degree, passing satisfactory examinations thereon, and submitting a suitable thesis.

LITERARY DEPARTMENT.

HON. KEMP P. BATTLE, LL. D.,
Professor of Political Economy, Constitutional and International Law.

REV. ADOLPHUS W. MANGUM, A. M., D. D.,
Professor of Mental and Moral Science.

GEORGE TAYLOE WINSTON, A. M.,
Professor of the Latin Language and Literature.

EBEN ALEXANDER, PH. D.,
Professor of the Greek Language and Literature.

REV. THOMAS HUME, JR., A. M., D. D.,
Professor of the English Language and Literature.

WALTER D. TOY, M. A.,
Professor of Modern Languages.

OUTLINE OF INSTRUCTION.

POLITICAL ECONOMY, CONSTITUTIONAL AND INTERNATIONAL LAW.

President Battle.

UNDER-GRADUATE CLASSES.

1. POLITICAL ECONOMY.

Instruction is given by text-books and lectures to the senior class for three hours a week for the first term. The lectures are designed to throw light on the great economical questions of the day, such as Banking, Bi-metallism, Protection, Wages, Co-operation, &c.

2. CONSTITUTIONAL LAW.

Three hours a week for the greater part of the second term of the senior year are given to this study. It is preceded by a short course in the History of American Politics. The lectures give information concerning the History of the Constitution of North Carolina as well as of

the United States. The facts and principles of many leading cases, settling the construction of the Constitution of the United States are given, and their connection with American history is pointed out.

3. INTERNATIONAL LAW.

A short course of lectures is given in this department to the senior class near the close of the second term.

4. BUSINESS LAW.

A class in the Teacher's course is taught in such principles of Commercial Law as are especially necessary to be known by business men.

5. CONSTITUTIONAL HISTORY, (ELECTIVE).

A course of two hours a week in the Constitutional History of England and the United States is offered.

POST-GRADUATE CLASSES.

POLITICAL ECONOMY.

In this class will be studied the works of such authorities as Roscher, Mill, Bagehot, McLeod, &c., and discussions will be required of the great unsettled questions of the Science, such as Banking, Bi-metallism, Protection, &c.

CONSTITUTIONAL LAW.

The subjects studied in this class will be the origin and development of the English Constitution, of the Constitution of the United States and of this State. The political histories of these countries will be carefully read. Considerable attention will be paid to the Roman Law. Such works as those of Hallam, Stubbs, Yonge, Green, Bancroft, Curtis, Von Holst, Hildreth, &c., will be used, and also the opinions of Chief Justice Marshall and other Judges of the Supreme Court in leading cases.

It will be the effort of the instructor so to guide the student that he may have material with which he may intelligently form his own conclusions on the great subjects of Constitutional Law and Political Economy, which as an American citizen it will be his duty to consider.

MORAL PHILOSOPHY.

Professor Mangum.

The work by under-graduates extends through the third and fourth years of the regular courses. Lectures on Practical Morals are delivered to first-year students.

UNDER-GRADUATE CLASSES.

LOGIC.
Third year, first term, 2 hours a week.

PSYCHOLOGY.
Third year, second term, 2 hours a week.

MORAL SCIENCE.
Fourth year, first term, 2 hours a week.

MORAL SCIENCE AND CHRISTIAN EVIDENCES.
Fourth year, second term, 2 hours a week.

ADVANCED STUDY IN LOGIC AND PSYCHOLOGY.
(*Elective*). *2 hours a week through the year.*

HISTORY OF PHILOSOPHY AND NATURAL THEOLOGY.
(*Elective*). *2 hours a week through the year.*

Suitable courses for post-graduates.
Method of instruction combines text-book and lecture.

THE LATIN LANGUAGE AND LITERATURE.

Professor Winston.

I. UNDER-GRADUATE WORK.

FIRST YEAR.
Freshman Class—Four times a week.

The work includes:

(1). The critical reading on class, after study, of Cicero and Livy. Different selections are made each year.

(2). The sight-reading of some easy Latin, including the Novum Testamentum.

(3). Exercises in Latin Composition and the study of Latin Grammar.
(4). A course of study in Roman History, Geography and Antiquities. Occasional lectures are given as may seem expedient.

SECOND YEAR.

Sophomore Class—Four times a week.

The work includes:

(1). The critical reading on class, after study, of Horace, Tacitus and Terence.
(2). Written abstracts, translations and criticisms of the authors read.
(3). Sight-reading.
(4). Latin Composition and Grammar, by lectures and original exercises.
(5). A course of study in Roman Antiquities, Mythology, Law and Literature and in Comparative Philology.

A regular course of lectures is given on Comparative Philology, with especial reference to the Latin elements in the English Language; on the development of the Latin Language and its decay; on Roman Antiquities, and on such other subjects as may require special treatment.

THIRD YEAR.

Junior and Senior Classes—(Elective)—Four hours a week.

The course is varied each year to meet the special wishes and requirements of the class. During the present year it is as follows:

(1). The critical reading on class of Pliny's Letters and Juvenal's Satires.
(2). Latin Composition in imitation of Pliny.
(3). The sight-reading of Cicero, Ovid, Sallust.
(4). The rapid and fluent reading of the Æneid (12 books), with special study of style, characters, &c.
(5.) Literary and critical theses.

Students admitted to these classes must have completed *with honor* the two preceding years of the course. The Latin Diploma is awarded to Juniors or Seniors, who attain the grade of ninety in scholarship during the last year of the study.

POST-GRADUATE WORK.

The post-graduate instruction is arranged for graduates of the University, or of other institutions of equal rank, desiring to obtain the degree of Master of Arts, Master of Philosophy or Doctor of Philosophy, or aiming to qualify themselves to be teachers of Latin. The course is varied to suit the requirements of each case. The work is done privately by the student, under the guidance of the professor, whom he meets twice a week for consultation. The general character of the work is historical, philosophical, literary, philological, or critical, according to the desires and necessities of the student.

THE GREEK LANGUAGE AND LITERATURE.

Professor Alexander.

UNDER-GRADUATE CLASSES.

FIRST YEAR.

Freshman Class—Four recitations a week.

Lucian: *Vera Historia;* review of important grammatical principles (Hadley-Allen or Goodwin); Lysias: three *Orations;* selections from Herodotus; Homer: four Books of the *Odyssey;* prose composition (once a week); History of Greece; reading at sight throughout the year.

SECOND YEAR.

Sophomore Class—Four recitations a week.

Demosthenes: three *Philippics;* Thucydides: *Book I;* Euripides: *Medea;* or, Sophocles: *Electra;* Aristophanes: *Birds;* prose composition, based on the texts read; Greek History, Literature and Antiquities, with lectures; reading at sight.

THIRD YEAR.

Junior and Senior Classes—(Elective)—Four recitations a week.

Plato: Parts of the *Republic;* Plutarch: selected *Lives;* Æschylus:

Agamemnon; Homer: rapid reading of the *Odyssey*, Books XIII—XXIV; Greek Seminary (once a week); Modern Greek: a short course, mainly devoted to the reading of Greek newspapers; reading at sight.

INSTRUCTION OF GRADUATES.

The work is arranged, so far as possible, to meet the needs of each student. Usually, the writings of some one author, or special departments of Literature, are continuously studied. Seminary methods are adopted. In 1889–'90 the following courses will be offered, of which II and V have been taken during the past year:

I. Educational theories of Greek writers: Aristotle, Plato and Plutarch. II. A critical survey of the Greek Drama, with the reading of representative tragedies and comedies. and a study of the *Poetics* of Aristotle. III. Greek Archæology, in connection with Pausanias's *Description of Greece* and recent works on the subject. IV. Greek Oratory, with the *Rhetoric* of Aristotle and the critical reading of Attic Orators. V. Philology and Comparative Grammar of Greek.

ENGLISH LANGUAGE AND LITERATURE.

(Including Anglo-Saxon.)

Professor Hume, and Professor Love, Assistant.

UNDER-GRADUATE CLASSES.

FIRST YEAR.

Two hours a week.

Practical Rhetoric (Genung). Etymology (Haldeman). Nineteenth Century Literature. Minto's Scott's Poems. Rolfe's Byron's Childe Harold. Parallel Reading in Scott's Prose Romances and Shakspere's King John with English History. Skeat's Concise Dictionary.

SECOND YEAR.

One hour a week.

Historical Grammar (Sweet and Lounsbury). The English of Shakspere (Craik's Julius Cæsar). Studies in the Diction of the English Bible. Eighteenth Century Literature (Swift to Goldsmith), with parallel reading in Thackeray's Humorists and English Men of Letters Series.

THIRD YEAR.

One hour a week.

Art of Poetics (Gummere). Longer English Poems (Hales). Shakspere's Henry the Fourth and Henry the Fifth. Parallel Reading in Malory's Morte d'Arthur and Tennyson's Idyls of the King with Professor's Guide to Study and Written Exercises.

FOURTH YEAR.

LITERATURE.—*Three hours a week.*

ESSAYS AND ORATIONS.—*One hour a week.*

LITERATURE.—Taine's History of Literature. Dowden's Shakspere Manual, with special readings in Hudson. Richard the Third, with lectures on Shaksperian and other illustrations of English History. Two Comedies, with lectures on Sources and Characters and Study of Versification. Chaucer's Prologue and Two Tales. Hamlet (with printed Guide to Study). Milton (Browne's or Cleveland's Edition). Lectures on the History of the Language, on English Fiction.

ESSAYS AND ORATIONS.—Lectures on Methods of Composition, and History of Oratory. Minto's English Prose. Essays of Bacon, Macaulay, Carlyle, Matthew Arnold, Emerson. Select Orations from Burke to Gladstone. Practice in Writing Analyses and Criticisms.

ANGLO-SAXON.

(*Elective*). *Three hours a week.*

Anglo-Saxon Grammar and Reader (Sweet). Gospel of John (Corson). Selections from Aelfric and King Alfred. The Saxon Chronicle. Layamon's Brut. Selections from the Ancren Riwle and the Ormulum. Marsh's Early Literature. Skeat's Principles of Etymology.

POST-GRADUATE COURSE.

Selections may be made from subjects or groups announced by the Professor. During the past two sessions

the following courses have been studied; Nos. 1 and 2 during the first post-graduate year, and Nos. 3 and 4 during the second post-graduate year:

1. Comparative Saxon Grammar. Robert of Gloucester. Ayenbite of Inwit. Piers Plowman (Skeat's Edition). Wycliffitte Scriptures. Beowulf (Harrison and Sharpe's Edition), or Judith (Cook's Edition). Ten Brink's Early Literature.

2. Rise and Progress of the Drama in England, with Comparative Studies showing the influence of other Literatures. The Classical and Romantic Schools. History of the Drama in Schlegel and Ward and Hudson. Pre-Shaksperian Drama and Ben Jonson in Symonds. Chester Mysteries (New Shakspere Society's Edition). Comedy from Roister Doister (Arber) through Green. Lyly's Court Comedies and Euphues, Shakspere and Jonson, to Comedy of the Restoration. Tragedy from Gorboduc through Kyd, Marlowe, Shakspere, Jonson, Marston, Heywood, Webster, to Beaumont and Fletcher, Massinger and Ford. Chronicle Plays from Peele through Marlowe to Shakspere. Pastorals and Masques in Ben Jonson, Fletcher, Milton. Dryden and French Influence.

3. Beowulf (concluded). Exodus and Daniel (Hunt's Edition). Comparative Grammar. Norse Mythology.

4. History of English Poetry from Spenser to Tennyson. Clarendon Press and Globe Editions and English Men of Letters Lives of the Poets. Allegorical Poetry (Sackville's Mirror for Magistrates and Spenser's Faerie Queen). Shepheardes Calender. The Sonnet from Surrey to Mrs. Browning with special studies in Shakspere's Sonnets. Milton with readings in Masson's Life and the Areopagitica. Some readings in Sir T. Browne and Burton. The Metaphysical Poets. The Didactic and Correct School: (Dryden's Minor Poems and Satires, Pope's Pastorals, Didactic and Satirical Poems). Gosse's From Shakspere to Pope reviewed. Cowper, Crabbe, Burns. Ballad and Narrative Poetry (Scott). Nature and Man from Byron and Wordsworth to Tennyson and Browning.

MODERN LANGUAGES.

Professor Toy.

The subjects taught in this department are the French and German languages and their literatures.

UNDER-GRADUATE CLASSES.

I. FRENCH.

1. *Three times a week throughout the year.*

Whitney's Practical French Grammar. *Anecdotes Nouvelles*, or George Sand's *La Mare au diable*, or Xavier de Maistre's *Voyage autour de ma Chambre*, or Lamartine's *Jeanne D'Arc*. Written and oral exercises. Masson's or Gasc's Dictionary.

*2. *Three times a week throughout the year.*

Harrison's French Syntax (for reference). Whitney's Practical French Grammar (second part). Feuillet's *Le Roman d'un Jeune Homme Pauvre*. Molière's *Le Médecin malgré Lui*, or Corneille's *Le Cid* or Racine's *Athalie*. French Literature (lectures, 2d term). Written exercises.

3. (*Elective*). *Three times a week throughout the year.*

Molière: *Le Tartuffe*, *Le Misanthrope*, *Les Fourberies de Scapin;* Victor Hugo: *Hernani*, *Ruy Blas*, *Lucrèce Borgia;* Sandeau's *Mademoiselle de la Seiglière*, and other modern comedies. Studies in Literature. Written Criticisms. Lectures and conferences on dramatic art.

II. GERMAN.

1. *Three times a week throughout the year.*

Joynes-Meissner's German Grammar. Grimm's *Mærchen* or Hauff's *Das Kalte Herz;* Select Ballads of Uhland. Written and oral exercises. Whitney's or Thieme's Dictionary.

2. *Three times a week throughout the year.*

Whitney's Compendious Grammar. Schiller: *Wilhelm Tell* or *Maria Stuart* or *Die Jungfrau von Orleans;* Lessing's *Minna von Barnhelm* or Goethe's *Egmont* or *Goetz von Berlichingen*. Freytag's *Die*

*Not offered in 1889-'90.

Journalisten. German Literature (2d term). Study of certain historical periods to aid in the interpretation of the Literature. Written exercises.

*3. (*Elective*). *Three times a week throughout the year.*

(General Course). *Aus Meinem Leben* (selections). Lessing: *Nathan der Weise;* Goethe: *Faust, Hermann and Dorothea;* Scheffel: *Der Trompeter von Sækkingen;* Ebers: *Homo Sum.* Study of general literary criticism. Informal conferences and discussion of theses.

In each language Class 1 is designed to give an *exact acquaintance* with the grammatical forms and the principles of syntax.

The instruction is given partly by grammatical textbooks and exercises, written and oral, but chiefly by a careful study of good prose. The class reads as widely as possible. At the end of the year the student is expected to translate simple prose at sight.

In Class 2 some difficult points of grammar are discussed, but most of the time is given to the reading and literary criticism of standard writers, classic and modern.

In Class 3 large amounts are read, in order to obtain a just appreciation of certain literary periods.

POST-GRADUATE WORK.

Subjects for post-graduate work will be assigned upon application. Candidates from this University must have completed successfully the Elective Class (No. 3) in the language chosen. The work may be either of a literary or philological character, and must in all cases be done by original investigation. Outlines of work will be assigned, as nearly as possible, according to the ultimate aims of the student. The following are specimens of possible subjects:

1. Le Romantisme Français. 2. French Grammar and Literature in the Sixteenth Century. 3. Old French Grammar and the interpretation

*Not offered in 1889-'90.

of selected texts. 4. Middle High German Grammar and the interpretation of selected texts (das Niebelungenlied, etc.). 5. Studies in German Poetry. 6. The French Drama.

Special lectures and regular conferences will be announced as occasion requires. The student will be instructed in the preparation of critical theses.

SCIENTIFIC DEPARTMENT.

RALPH HENRY GRAVES, B. Sc., C. AND M. E.,
Professor of Mathematics.

FRANCIS PRESTON VENABLE, PH. D., F. C. S.,
Professor of General and Analytical Chemistry.

JOSEPH AUSTIN HOLMES, B. S., F. G. S. A.,
Professor of Geology and Natural History.

JOSHUA WALKER GORE, C. E.,
Professor of Natural Philosophy and Engineering.

JAMES LEE LOVE, PH. B.,
Associate Professor of Mathematics.

HUNTER LEE HARRIS,
Assistant in Chemical Laboratory.

JOSEPH VOLNEY LEWIS,
Assistant in Natural History.

OUTLINE OF INSTRUCTION.

MATHEMATICS.

Professor Graves and Associate Professor Love.

UNDER-GRADUATE CLASSES.

FIRST YEAR.

Four recitations a week.

In the first term the student finishes the study of Algebra, discussing Quadratic Equations, Arithmetical and Geometrical Progression, the Binomial Theorem and various other series, Permutations, Combinations, Logarithms, &c.

In the second term the study of Geometry is taken up and completed. The course embraces both Plane and Solid Geometry—as much as is included in Wentworth's or Chauvenet's text-books on the subject.

SECOND YEAR.

Four recitations a week.

Construction and use of Tables of Logarithms, Plane and Spherical Trigonometry, with applications, Analytic Geometry.

TEXT-BOOKS:—Newcomb's Trigonometry and Tables, Smith's Conic Sections.

THIRD YEAR.

(*Elective*). *Four recitations a week.*

Solid Analytical Geometry, Differential and Integral Calculus.

TEXT-BOOKS:—Smith's Solid Geometry, Williamson's Differential Calculus, Williamson's Integral Calculus.

POST-GRADUATE CLASSES.

The work in these classes extends over one or two years. The studies consist of selections from more advanced topics, such as Theory of Equations, Theory of Determinants, Differential Equations, Modern Algebra, Modern Geometry, Quaternions, &c.

During a portion of the present session, a class has studied Solid Analytic Geometry.

Each student is constantly stimulated and assisted in his work, and his progress is tested by oral and written examinations.

CHEMISTRY.

Professor Venable.

UNDER-GRADUATE CLASSES.

GENERAL CHEMISTRY.

Three lectures a week through the year.

The facts and general principles of Chemistry are presented in the following order:

1. Chemical Physics.
2. The Chemistry of the Non-metals and Metals.
3. Organic Chemistry.

Instruction is given mainly by lectures, and these are illustrated by numerous experiments. The following reference-books are recommended: Richter's Chemistry; Watts' Chemistry; Remsen's Inorganic and Organic Chemistry; Roscoe & Schorlemmer's Treatise on Chemistry.

INDUSTRIAL CHEMISTRY.

Three lectures a week through the year.

A knowledge of General Chemistry is a pre-requisite to this course. The applications of Chemistry to the arts and manufactures will be considered under this heading.

The subjects treated of will be the manufacture of glass, porcelain and earthenware: foods, their production, preparation and adulteration; clothing, printing, dyeing, bleaching, tanning; building materials; manufacture of candles, soap, ink, matches, &c.

REFERENCE-BOOKS:—Wagner's Chemical Technology, Ure's Dictionary of Arts and Manufactures.

INDUSTRIAL MUSEUM.—Many specimens of crude and manufactured products have already been gathered for purposes of class illustration, and continual additions are being made to the collection.

ANALYTICAL CHEMISTRY.

The aim in this study will be to prepare students to become Analytical Chemists, Teachers of Chemistry, or Druggists. There are two classes.

QUALITATIVE ANALYSIS.

Three afternoons a week through the year.

Fall term—Blow-pipe Analysis. Spring term—Wet Analysis. *Text-books:* Landauer's Blow-pipe Analysis and Venable's Qualitative Analysis.

QUANTITATIVE ANALYSIS.

(*Elective*). *Five afternoons a week through the year.*

Full instruction is given in practical chemistry, including the analysis of ores, soils, manures, technical products, &c. Students are also encouraged to undertake original researches.

POST-GRADUATE CLASSES.

The study of Theoretical Chemistry will be pursued with

such text-books as Remsen, Wurtz and Meyer. The student will be required to prepare lists of chemical compounds, tabulate physical constants and make bibliographies of special chemical substances, using for the purpose chemical dictionaries and the various chemical periodicals.

Advanced and post-graduate work in the Laboratory will be assigned in inorganic or organic analysis to any student desiring it.

A deposit of ten dollars is required of each student to defray the cost of apparatus and chemicals. The new laboratories are provided with water, gas and all other appliances for the prosecution of scientific work.

GEOLOGY AND NATURAL HISTORY.

Professor Holmes and Mr. Lewis.

I. GEOLOGY.

UNDER-GRADUATE CLASSES.

The instruction in this subject includes the following:

1. GENERAL GEOLOGY.

Three lectures per week during the second term.

The lectures are accompanied by occasional field excursions and work in the laboratory.

2. PRACTICAL GEOLOGY.

(*Elective*). *Three hours per week throughout the year or during either term.*

During the first term the time is devoted to Field Geology and Lithology.

During the second term the nature of the work varies according to circumstances.

To this class are admitted students who have passed satisfactorily the examination in General Geology.

TEXT-BOOKS AND BOOKS OF REFERENCE:—LeConte's Elements of

Geology, Dana's Manual of Geology, Geikie's Text-Book of Geology, Geikie's Field Geology, Williams' Economic Geology, Reports of U. S. Geological Survey, North Carolina and other State Surveys.

3. MINERALOGY.

Three hours per week through the year.

Fall term—Crystallography and Descriptive Mineralogy. Spring term—Descriptive and Determinative Mineralogy. *Text-books:* Dana's Manual of Mineralogy and Petrography and Cornwall's Blow-pipe Analysis. *Reference-book:* Dana's System of Mineralogy.

Only those who have been approved in General Chemistry can enter this class.

The laboratory for Geology and Mineralogy is supplied with large collections of rocks and minerals, including microscopic sections, models, charts, microscopes, and various instruments for laboratory and field work.

POST-GRADUATE WORK.

Post-graduate courses have been arranged as follows:

1. In General Geology, including the general principles of Dynamical, Structural and Historical Geology.

2. Economic Geology, in which special attention is given to the Geology of North Carolina.

3. Lithology and Field Geology, including special study of rocks, and geological field work about Chapel Hill and in other sections of the State during the summer vacation.

Text-books and details of courses will be given as these courses are assigned.

II. BOTANY.

UNDER-GRADUATE CLASSES.

The following courses are offered:

1. ELEMENTS OF BOTANY.

Three lectures per week during the latter half of the second term.

This is designed as an elementary course for the general student, and as an introductory course for students intending to do advanced work in Botany.

2. SYSTEMATIC AND APPLIED BOTANY.

The work in this class consists largely of the systematic study of the flowering plants of the Chapel Hill region, in the laboratory and in the field. Students who desire to do so, may collect, identify and preserve specimens of plants at their homes during the summer vacation; and such specimens properly mounted will be counted in the class work for that year.

TEXT-BOOKS AND BOOKS OF REFERENCE:—Gray's Lessons and Manual of Botany, Gray's Botanical Text-books, Chapman's Southern Flora, Sach's Text-book, Bessey's Botany, and others of a special character.

The laboratory contains a small herbarium and collections of native woods and other vegetable products, microscopes and other instruments.

3. HYGIENE.

A course of five lectures will be given at the beginning of the first term relating to the care of the general health.

4. PHYSIOLOGY.

Three lectures per week during the first term.

Special attention will be given to the comparative physiology of respiration and circulation. The lectures will be illustrated by microscopic exhibitions of some of the lower forms of animal life, the tissues and blood of higher animals, circulation of blood in the web of a frog's foot, and by painless experiments upon animals.

5. GENERAL ZOOLOGY.

Three lectures per week during the first half of the second term.

A part of the time will be devoted to the study of representative forms by the student himself.

6. GENERAL BIOLOGY.

In this course facilities will be offered for practical work in the dissection of animals, illustrating and amplifying the studies in physiology and general zoology. After becoming familiar with methods in the preliminary work, the student may elect, upon consultation with the Professor in charge, a line of work more suited to his taste and needs.

During the second term of this study, the student may, with the Professor's permission, devote special attention to ORNITHOLOGY, or ENTOMOLOGY. This work will be conducted by lectures, laboratory and field work.

Special arrangements will be made with students wishing to collect specimens for the museum during the summer vacation, so that the work will count in one of their courses.

Upon application the Professor in charge will give further information.

TEXT-BOOKS AND BOOKS OF REFERENCE:—Martin's Human Body; Flint's Text-book of Human Physiology; Yeo's Manual of Physiology; Parke's Hygiene; Dalton's Physiology; French's Butterflies of the Eastern United States; Saunders' Insects Injurious to Fruits; Harris' Insects Injurious to Vegetation; Packard's Guide to the Study of Insects; Claus' Text-book of Zoology; Brooks' Hand-book of Invertebrate Zoology; Huxley's Anatomy of Invertebrate Animals; Huxley's Anatomy of Vertebrate Animals; Wilson's American Ornithology; Coues' Key to Birds of North America; and others.

The laboratory contains a large and valuable collection of insects and over one hundred different kinds of birds, also many animals.

POST-GRADUATE WORK.

Post-graduate courses in Zoology, Botany and General Biology are arranged on application.

NATURAL PHILOSOPHY AND ENGINEERING.

Professor Gore.

UNDER-GRADUATE CLASSES.

ELEMENTARY PHYSICS.

Two hours a week through the year.

TEXT-BOOK:—Stewart's Physics.

PHYSICS.

Junior Class, four hours a week through the year.

The subject is treated in the following order: Mechanics of Solids, Liquids and Gases; Heat, Electricity, Magnetism, Sound and Light.

Instruction is given by text-book, lectures and numerous experiments.

TEXT-BOOK:—Deschanel's Natural Philosophy (Parts I, III and IV).

ASTRONOMY.

Three hours a week during the first term.

The subject is pursued as a branch of liberal education, and hence

treats of Spherical, Practical and Theoretical Astronomy, and Cosmical Physics. An elementary knowledge of Analytic Geometry is required for admission to the class.

TEXT-BOOK:—Young's General Astronomy.

MECHANICS.

(*Elective*). *Three hours a week during the second term.*

The subject includes Statics, Dynamics, the Theory of Central Forces and an introduction to Rigid Dynamics. It is studied with the aid of Pure Mathematics, and constitutes a portion of Applied Mathematics. For admission to this class an elementary knowledge of Analytic Geometry is necessary.

TEXT-BOOK:—Todhunter's Mechanics.

SURVEYING.

(*Elective*). *Three hours a week during the first term.*

Theory and Use of Instruments, Measuring of Land, Laying Off and Dividing Up of Land, and Platting Surveys.

PROJECTION DRAWING.

(*Elective*). *Three hours a week during the second term.*

Descriptive Geometry, Orthogonal and Oblique Projections, Projections of Shades and Shadows, Working Drawing of Machines and Detail Drawings.

ADVANCED OR POST-GRADUATE CLASS.

PHYSICS.—Students will be admitted to this class who have completed the junior class or its equivalent. The instruction will include: Method of Least Squares, Physical Manipulation, Physical Measurements with instruments of precision, Reduction of Observations.

SCHOOL OF LAW.

HON. KEMP P. BATTLE, LL. D.,
President.

HON. JOHN MANNING, LL. D.,
Professor.

This department contains two classes:

1. The Independent Class.
2. The Junior Class.

While particular attention is directed to preparation for obtaining license to practise law in the courts of this State, the student will be invited to pursue a more extended course, and to obtain a broad and liberal knowledge of the law.

Wherever the law of North Carolina differs from that enunciated in the text-books, information is given of such difference and the reason therefor. Lectures are given from time to time on such subjects as have been greatly modified by our statutes, such as Marriage, Descent, Wills, Limitations, Exemptions from Executions, &c.

A Moot Court for the discussion of law questions, and for instruction in the practice of the Courts, is regularly held by the Professor.

THE PLAN OF STUDIES comprises: (A) The course prescribed by the Supreme Court of the State for applicants for license to practise. (B) A course of study for those desiring to compete for the degree of Bachelor of Laws.

TEXT-BOOKS:—(A) Blackstone's Commentaries, Washburn on Real Property, Schouler on Executors, Stephen on Pleading, Chitty's Pleading, Adams or Bispham's Equity, 1st Greenleaf on Evidence, Smith on Contracts, Addison or Bigelow on Torts, Constitution of the United States and of North Carolina, Code of North Carolina, particularly the

Code of Civil Procedure. (B) Pollock on Contracts, Pierce on American Railroad Law, Angell & Ames or Dillon on Corporations, Pomeroy's Equity Jurisprudence, Cooley's Constitutional Limitations, Wharton's Criminal Law, Best's Principles of Evidence, Cooley on Taxation, and May on Insurance.

To complete the entire course will ordinarily require two years, at the end of which the degree of Bachelor of Laws will be conferred on such students as shall pass an approved examination.

Those joining class (A) during the course, standing an approved examination on the books already read, or their equivalents, will be allowed to compete for this degree.

The advantages offered by this school are: 1. The use of the University and Society libraries, amounting in the aggregate to over twenty-five thousand volumes. 2. The training to be derived from participation in the debates and other exercises of the two literary societies. 3. The opportunity afforded, on easy terms, of attending the lectuers of the President, and such other lectures as they may desire. 4. Freedom from temptation and the stimulant to study found in the University regulations, and in the atmosphere of study and of books pervading Chapel Hill.

TERMS, PAYABLE IN ADVANCE: For both courses, "A" and "B," $150. For the Independent Class per session of forty weeks, five recitations per week, $90. For the Junior Class per session of forty weeks, two recitations per week, $40.

The Junior Class is intended for young men attending other classes in the University.

SUMMER COURSE.

The summer course will begin July first and continue until the last Monday in September. Two classes, Senior and Junior. Fees for Senior $30.00, for Junior $30.00, for both $50.00.

Students will be received at any time and for any period. In such cases, reasonable deduction of tuition fees will be made.

The sessions and vacations of this department (except those of the summer course) are the same as those of the University.

DONATIONS

During the year ending April 1st, 1889.

TO THE LIBRARY.

By L. B. Grandy,
Commissioner of Patents,
Bureau of Navigation,
Smithsonian Institution,
Jno. C. Smith,
Oliver Crane,
Rev. Jas. R. Boyd,
Mrs. Elizabeth Thompson,
Hon. S. R. Miller,
Calhoun Monument Associat'n,
Hon. Z. B. Vance,
Hon. M. W. Ransom,
Hon. W. R. Cox,
Henry A. George,
M. Paine,
War Department,
Treasury Department,
By Navy Department,
Department of Interior,
Department of State,
Department of Agriculture,
Bureau of Education,
U. S. Geological Survey,
U. S. Coast and Geodetic Survey,
U. S. Signal Service,
State Geologist, Minn.,
State Mineralogist, Cal.,
N. C. Agr. Experiment Station,
N. C. Commissioner of Labor,
Royal Society of Canada,
Boston Public Library,
State Agricultural Societies,
Dr. Curtis G. Hussey,
State Geologist, Ark.

TO THE DIALECTIC SOCIETY.

Oil portrait of President Kemp P. Battle.

TO THE READING ROOM.

By the Publishers: Tobacco Plant, Asheville Citizen, The New Era, Daily Review, Orange County Observer, The Lenoir Topic, Danbury Reporter-Post, Transcript-Messenger, North Carolina Presbyterian, Raleigh Christian Advocate, Watchman, Greensboro North State, The Torchlight, Press and Carolinian, Franklin Times, Norfolk Virginian, Winston Sentinel, Charlotte Democrat, Pine Knot, American Missionary, N. C. Teacher, N. C. Medical Journal, Homilectic Review (Dr. Deems), Academy (Prof. Alexander), Church Record (Rev. G. B. Hebbard).

TO THE UNIVERSITY MUSEUM.

By Wallace Bros., of Statesville: A set of specimens of the medicinal plants of North Carolina. The first instalment of this generous donation, consisting of 140 packages, has been received this year.

By Howard Haywood: Set of Indian arrow-heads, collected near Raleigh.

By the U. S. Fish Commissioner: A set of fresh-water fishes, collected from the rivers of North Carolina.

By Mr. Geo. Allen: A set of marls, soils and fossils, collected in the vicinity of Newbern.

By Mr. J. K. Willis: A specimen of fish.

By Mr. Geo. N. Ives: A collection of fish, oysters and other molluscs.

By Fore & Foster: A collection of native woods and specimens of ornamental wood work.